

FIG. 1

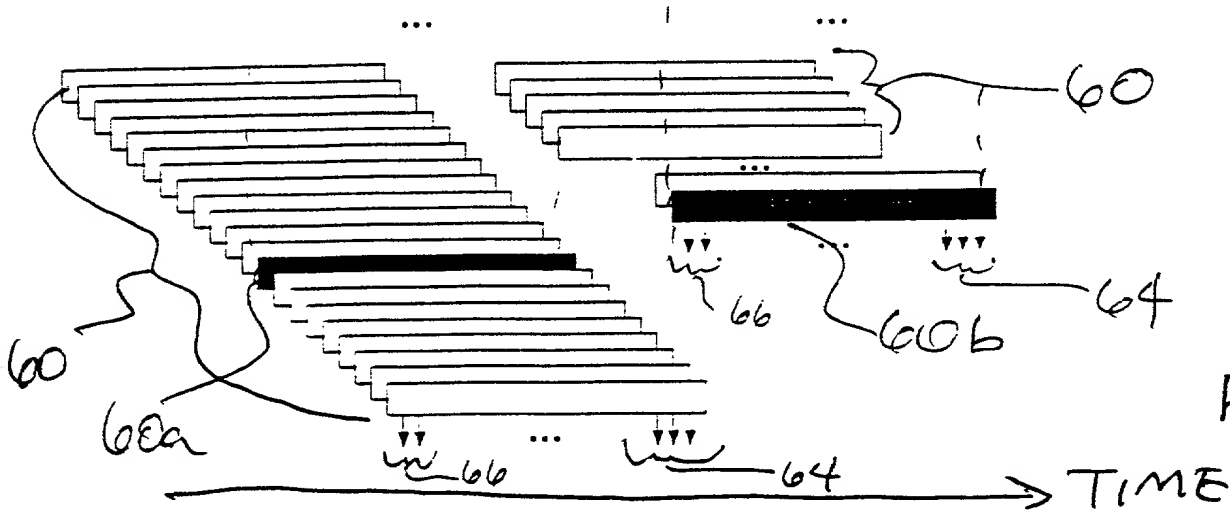
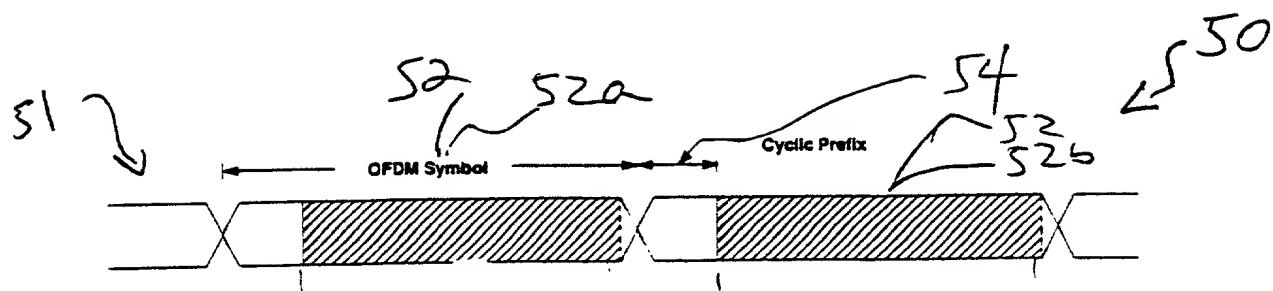


FIG. 2

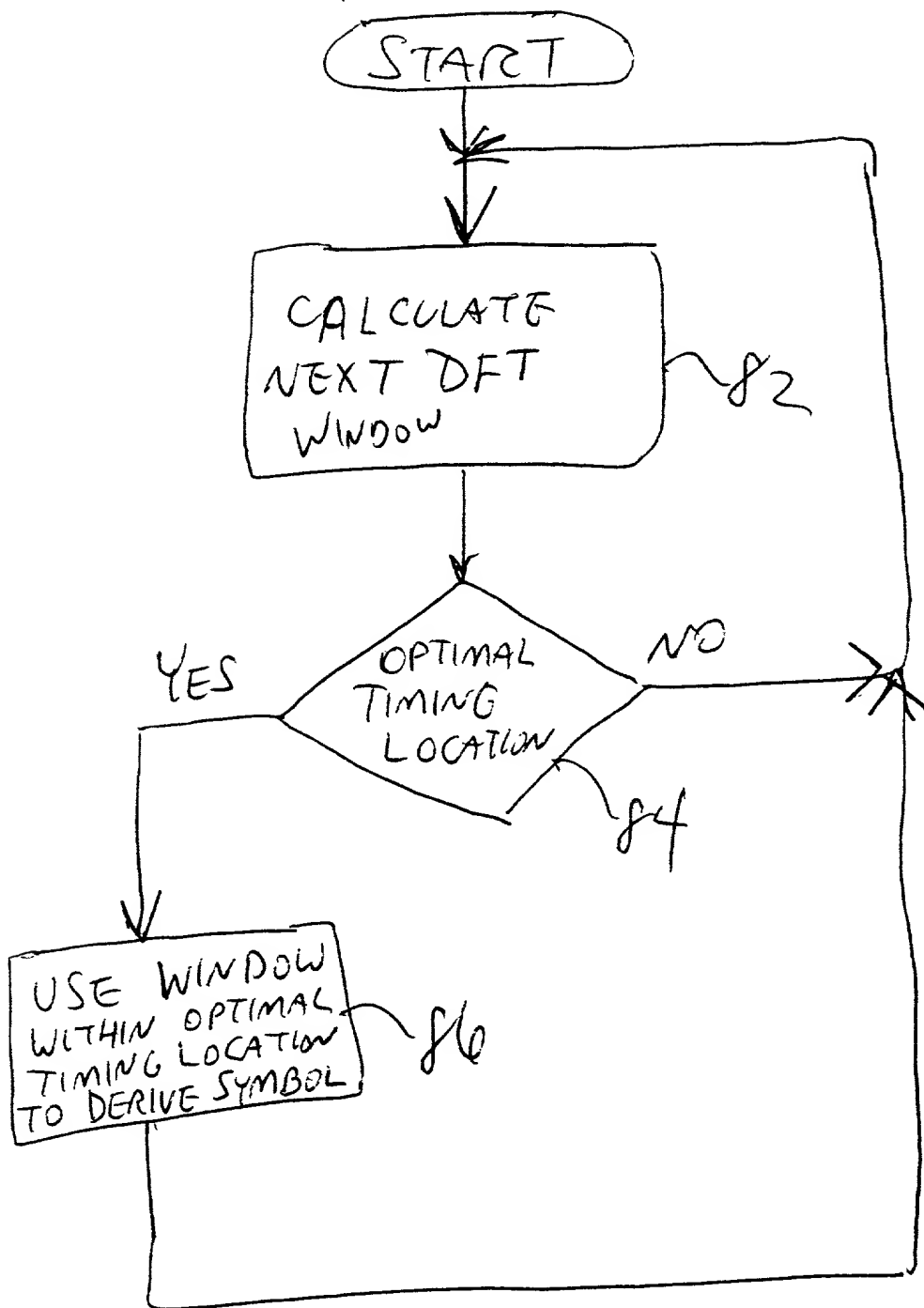
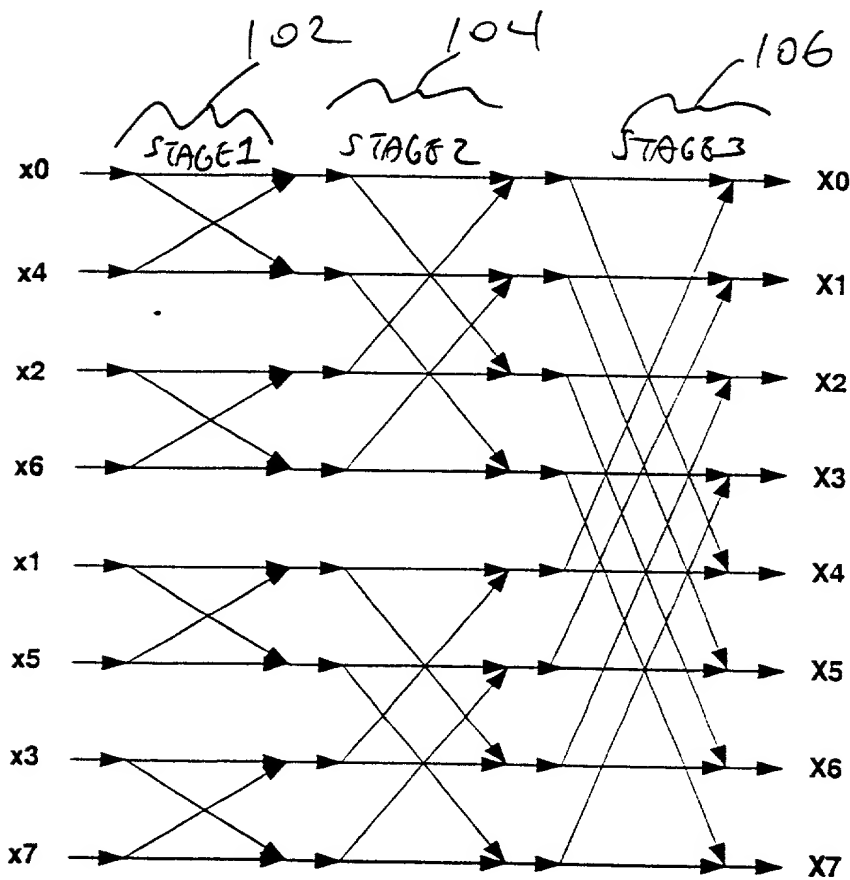


FIG. 3



100

FIG. 4

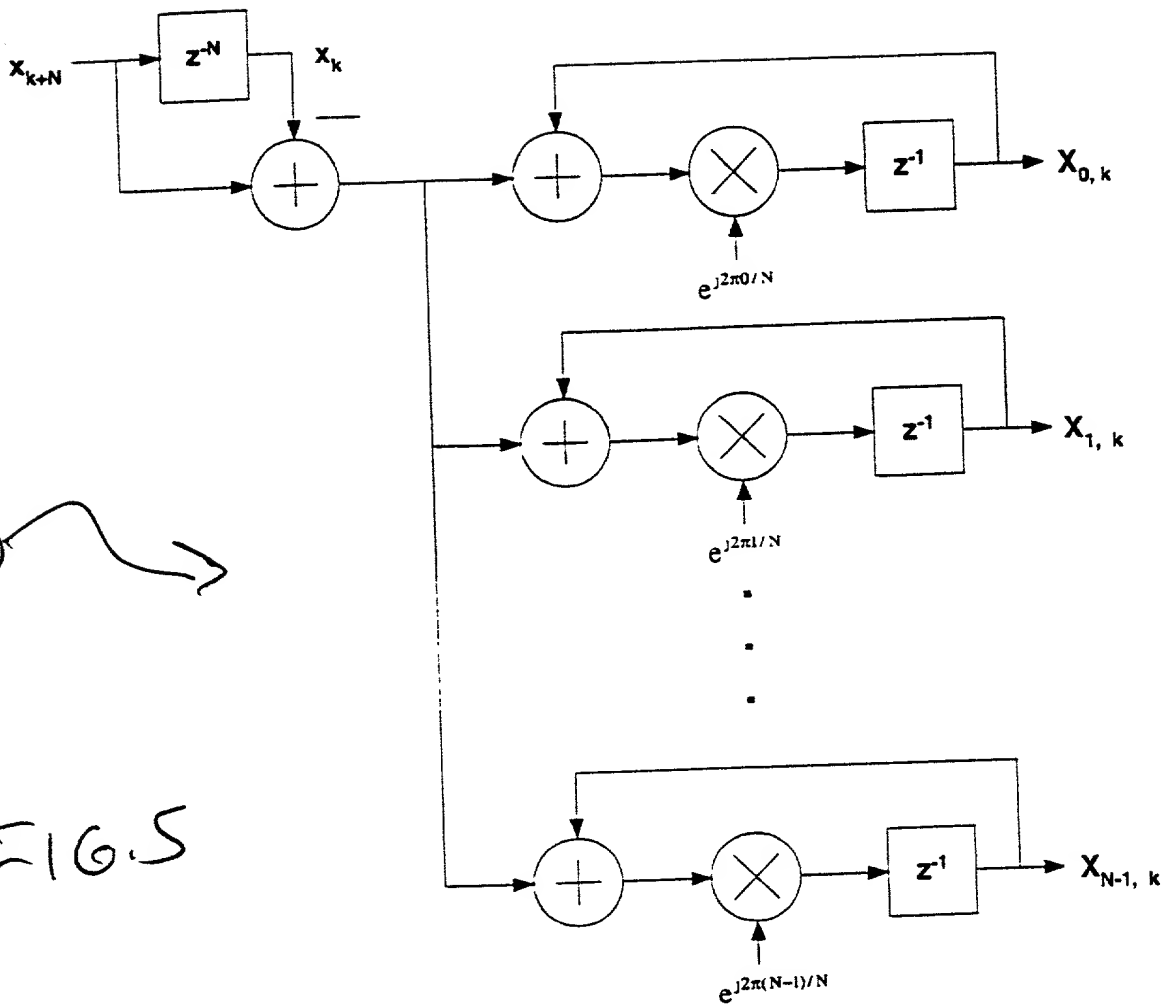


FIG. 5

Total No. of Subcarriers (N)	Processing required for FFT $N \log_2(N)$	Equivalent Subcarriers using swDFT: $\sqrt{N \log_2(N)}$
16	64	4
32	160	5
64	384	6
128	896	7
256	2048	8
512	4608	9
1024	10240	10
2048	22530	11
4096	49150	12

FIG. 6

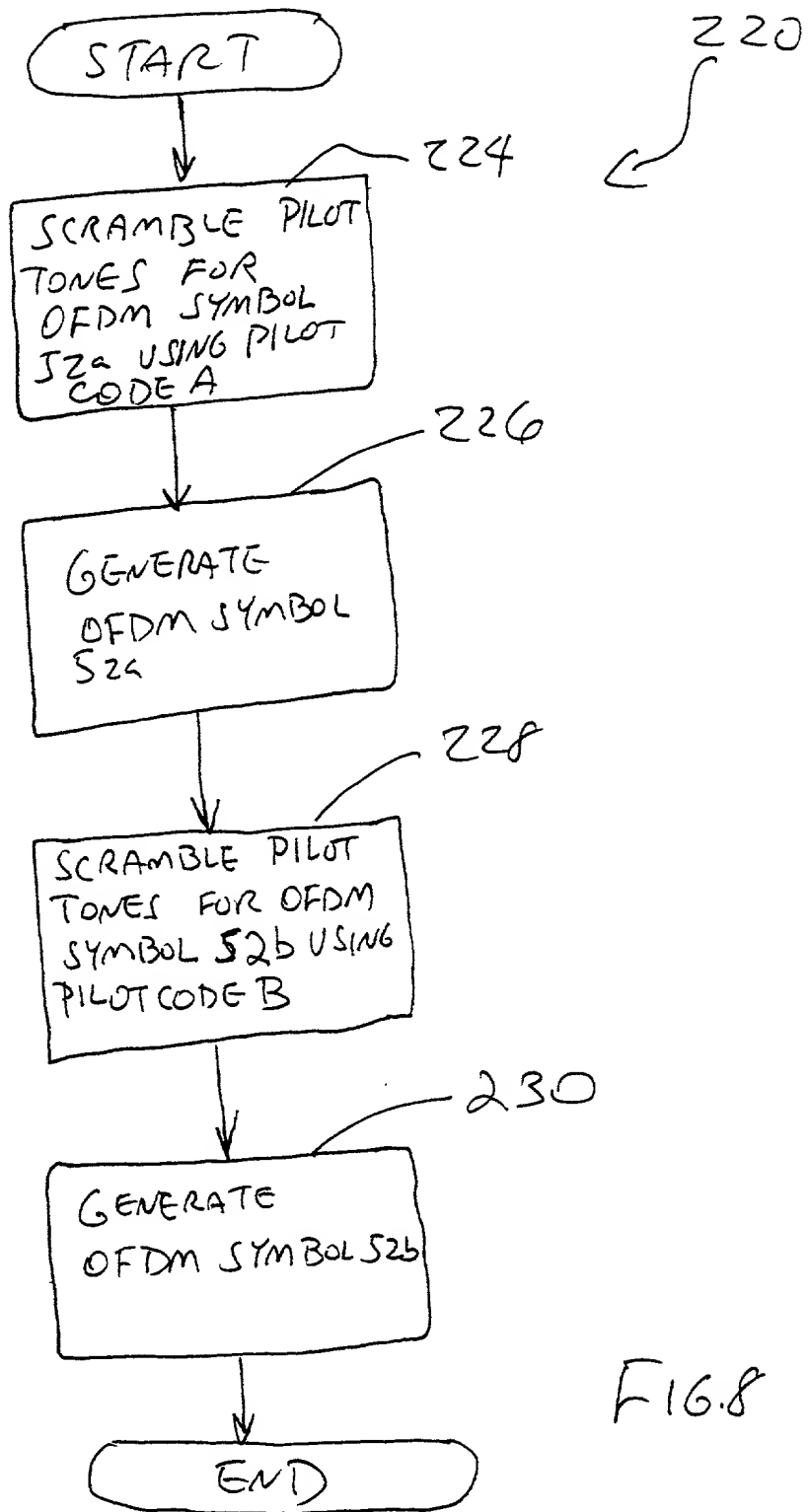


FIG. 8

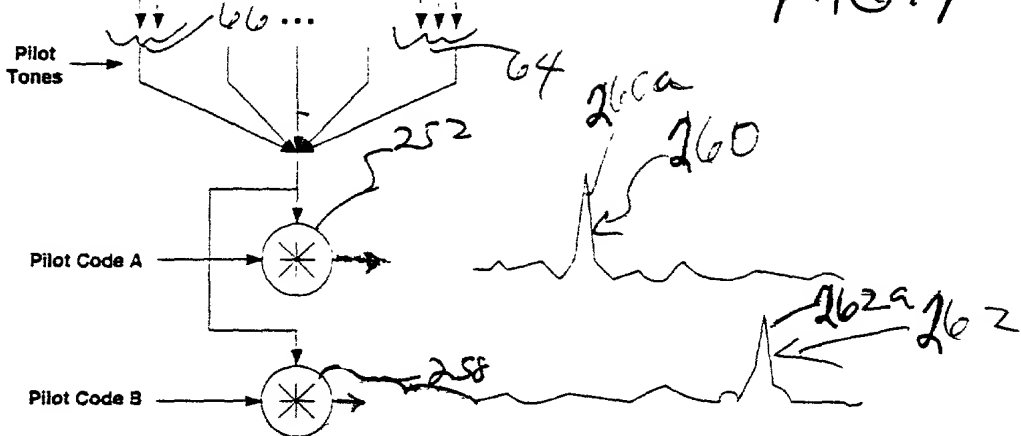
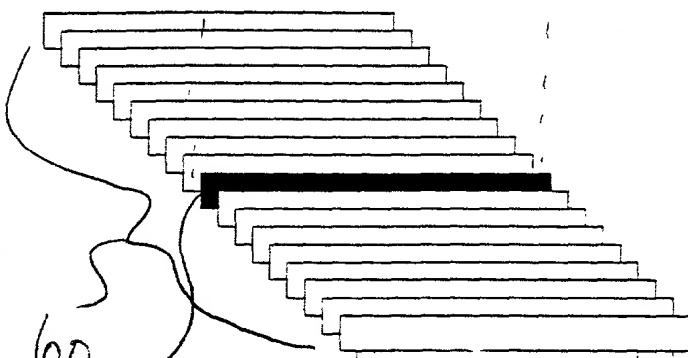
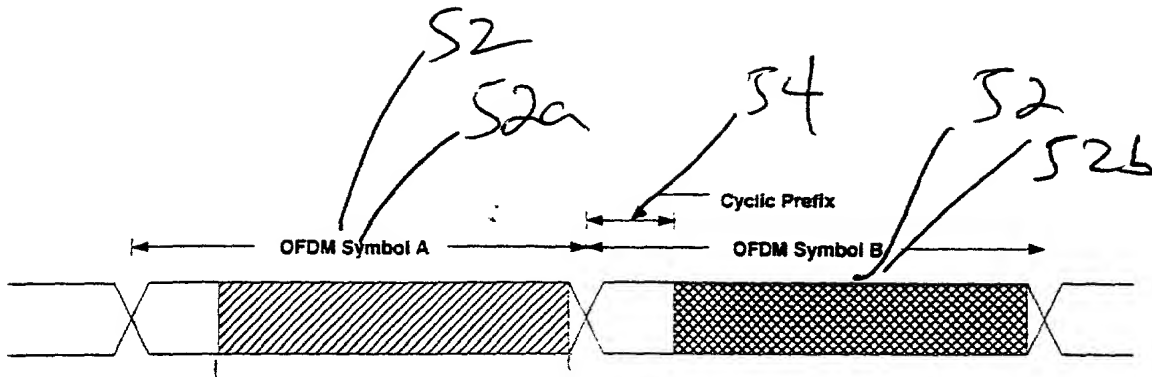


FIG. 9